Patent Claims

1. A compounds of the formula I

$$\begin{array}{c|c}
R^1 \\
X \\
2 \\
R^2
\end{array}$$

$$\begin{array}{c|c}
X \\
2 \\
R^5
\end{array}$$

$$\begin{array}{c|c}
R^4 \\
R^3
\end{array}$$

where

5

X is O, S or NH;

Y is O, S or NH;

10 a single or double bond may be provided between carbons C-2 and C-3,

 R^1 and R^2 , and R^3 and R^4 may be provided at any positions on the ring, and also

 R^1 , R^2 , R^3 , R^4 and R^5 may be identical or different and independently of one another are -H, -OH or -OA,

and

A is a group which absorbs UV radiation selected from the group formed from:

20

*
$$(CH_2)_m$$
 N $(SO_3M)_n$ $(SO_3M)_n$

where n = 0, 1, 2 or 3 m = 0 or 1 10 k = 0, 1, 2, 3 or 4 M = H, Na or K

and at least one of the groups R^1 , R^2 , R^3 , R^4 or R^5 is formed by –OA .

2. A compound of formula I

5 where

X is O, S or NH;

Y is O, S or NH;

a single or double bond may be provided between carbons C-2 and C-3,

 R^1 , R^2 , R^3 , R^4 and R^5 may be identical or different and independently of one another are -H, -OH or -OA,

in addition R¹, R², R³, R⁴ and R⁵, independently of one another, can stand for a

- straight-chain or branched oxyalkyl or carboxyalkyl group having 1 to 12 carbon atoms,
 - straight-chain or branched oxyalkenyl or carboxyalkenyl group having 2 to
 12 carbon atoms,
- straight-chain or branched hydroxyoxyalkyl group having 1 to 12 carbon atoms, where the hydroxyl group may be bonded to a primary or secondary carbon atom and, furthermore, the alkyl chain can also be interrupted by oxygen,
 - sulphate group,
 - phosphate group
- 25 and a mono- or oligoglycosyl radical, and

A is a group which absorbs UV radiation selected from the group formed from:

 $(SO_3M)_n^{\prime}$

where n = 0, 1, 2 or 3

m = 0 or 1 k = 0, 1, 2, 3 or 4 M = H, Na or K

- 5 and at least one of the groups R^1 , R^2 , R^3 , R^4 or R^5 is formed by -OA.
 - 3. A compound according to Claim 1, wherein said compound is of formula II

4. A compound according to Claim 2, wherein said compound is of formula II

- 15 5. In a cosmetic or pharmaceutical formulation comprising an active ingredient and a physiologically acceptable carrier, the improvement wherein said formulation comprises at least one compound according to Claim 1.
- 6. In a cosmetic or pharmaceutical formulation comprising an active ingredient and a physiologically acceptable carrier, the improvement wherein said formulation comprises at least one compound according to Claim 2.
- 7. In a cosmetic or pharmaceutical formulation comprising an active ingredient and a physiologically acceptable carrier, the improvement wherein said formulation comprises at least one compound according to Claim 3.

- 8. In a cosmetic or pharmaceutical formulation comprising an active ingredient and a physiologically acceptable carrier, the improvement wherein said formulation comprises at least one compound according to Claim 4.
- 5 9. A cosmetic formulation according to Claim 5, where the formulation comprises one or more additional UV filters and/or antioxidants.
 - 10. A cosmetic formulation according to Claim 6, where the formulation comprises one or more additional UV filters and/or antioxidants.

11. A method for protecting the body's cells of a patient against oxidative stress, in particular for reducing skin ageing, comprising administering to said patient a formulation according to claim 5.

15

12. A method for protecting the body's cells of a patient against oxidative stress, in particular for reducing skin ageing, comprising administering to said patient a formulation according to claim 6.

20

- 13. An enriched foodstuff comprising a foodstuff and at least one compound according to Claim 1.
- 14. An enriched foodstuff comprising a foodstuff and at least one compound according to Claim 2.
 - 15. A compound according to Claim 1 as medicaments.
 - 16. A compound according to Claim 2 as medicaments.

30

- 17. Use of a compound according to Claim 2 for the preparation of a medicament against oxidative stress, in particular for reducing skin ageing.
- 18. Use of a compound according to Claim 2 for the preparation of a medicament for the treatment of inflammations or allergic reactions.
 - 19. Use of a compound according to Claim 2 as antioxidant, in particular for cosmetic formulations.

20. Use of compounds according to Claim 2 for the stabilization of UV filters, in particular dibenzoylmethane and derivatives of dibenzoylmethane.